MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1952

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

DECEMBER 1952
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.7	62.9	63.1	63.2	21.6	17.4	18.9	21.4	19.1	19.8
2	64.2	63.2	63.4	63.6	21.5	16.9	19.3	20.9	19.2	19.8
3	63.5	62.9	63.5	63.3	21.3	17.2	18 6	20.8	18.9	19.4
4	64.9	64.2	64.8	64.6	22.0	18.5	19.7	21.7	19.1	20.2
5	65.9	64.2	64.4	64.8	23.2	20.2	20.3	22.9	21.9	21.7
6	64.9	63.9	64.0	64.3	24.3	19.8	22.2	24.2	20.5	22.3
7	63.9	63.0	63.4	63.4	26.4	20.5	20.8	26.2	22.2	23.0
8	64.0	62.8	63.0	63.3	24.7	19.8	22.2	23.3	21.1	22.2
9	64.1	62.5	62.1	62.9	22.7	18.8	21.7	21.7	21.7	21.7
10	61.8	61.3	63.6	62.2	21.4	16.7	21.1	19.9	18.9	20.0
11	65.2	64.4	65.0	64.9	19.6	13.2	18.1	19.0	16.7	17.9
12	65.6	64.4	64.7	64.9	18.6	13.2	14.2	15.4	15.1	14.9
13	64.4	62.9	63.0	63.4	16.7	11.9	14.6	14.2	13.6	14.1
14	64.1	64.8	66.7	65.2	17.5	14.2	16 6	17.3	15.3	16.4
15	68.5	67.7	68.0	68.4	19.1	14.4	15.9	18.6	16.1	16.9
16	67.1	64.5	64.1	65.2	18.7	14.2	15.3	18.3	16.1	16.6
17	63.1	61.6	62.3	62.3	19.0	14.6	15.6	18.3	16.7	16.9
18	62.8	61.2	60.5	61.5	20.4	14.7	16.7	18.9	16.2	17.3
19	59.7	59.7	60.7	60.0	18.6	13.8	14.7	14.6	15.4	14.9
20	62.1	60.4	59.6	60.7	19.4	16.0	16.7	18.4	16.7	17.3
21	58.9	58.7	59.6	59.0	18.7	12.9	18.7	16.1	13.7	16.2
22	57.6	56.4	57.8	57.3	17.0	11.1	15.1	16.6	12.3	14.7
23	59.0	58.7	58.2	58.6	18.5	15 0	15.2	17.9	16.8	16.6
24	59.7	59.7	61.5	60.3	19.6	14.4	17.0	18.9	15.6	17.2
25	61.7	60.7	61.1	61.2	18.4	11.9	16.1	17.9	15.4	16.5
26	59.8	59.8	60.9	60.2	15.4	10.7	15.0	11.6	11.2	12.6
27	62.1	62.3	63.8	62.7	14.7	11.5	12.1	13.7	12.8	12.9
28	66.5	66.2	67.1	66.6	16.7	12.7	14.1	16 8	14.4	15.1
29	69.5	68.9	69.3	69.2	17.5	12.2	14.2	17.3	15.4	15 6
30	70.0	69.0	68.6	69.2	17.5	12.1	14.2	17.4	14.4	15.3
31	68.1	66.0	65.5	66.5	16.7	11.3	13.3	16.3	13.7	14.4
	63.75	62.87	63.33	63.32	19.59	14.90	17.04	18.60	16.65	17.43

Barometer, range for month 770.0 mm. — 756.4 mm
„ 71-yr. average for month 763.23 mm.
Thermometer, range for month 26.4°C — 10.7°C
„ 71-yr. average for month 15.99°C
Rain total for month 169.66 mm.
„ 71-yrs average for month 185.45 mm.
„ Total, Sept. 1st. to end of month 330.18 mm.
„ 71-yrs. average. Sept. 1st. to end of month 374.27mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	16.7	17.7	17.8	17.4	76	71	82	76	8.6	122.0	
2	16.8	17.1	17.9	17.3	73	70	79	74	8.8	105.0	
3	12.8	17.0	13.9	14.6	61	71	63	65	9.0	192.0	
4	10.9	17.2	9.4	12.5	50	67	43	53	9.0	283.0	
5	13.7	17.5	17.2	16.1	57	65	67	63	9.0	249.0	
6	20.4	16.8	21.1	19.4	77	54	88	73	8.7	105.0	
7	18.7	21.7	16.8	19.1	77	66	64	69	6.7	177.0	
8	17.4	20.7	18.9	19.0	64	71	75	70	7.8	92.0	
9	18.4	16.1	20.2	18.2	72	64	78	71	4.5	484.0	
10	18.9	19.7	16.7	18.4	76	84	77	79	7.0	341.0	3.55
11	13.8	12.4	12.6	12.9	69	57	67	64	8.0	177.0	
12	12.9	15.6	12.5	13.7	83	88	73	81	4.7	312.0	7.62
13	13.9	14.9	13.8	14.2	86	91	91	89	0.4	501.0	41.40
14	12.6	12.2	10.6	11.8	67	62	63	64	7.2	312.0	18.29
15	11.6	13.3	13.6	12.8	63	65	73	67	8.1	169.0	0.25
16	11.6	14.4	12.6	12.9	65	68	70	68	8.6	24.0	
17	11.1	12.8	9.7	11.2	62	60	50	57	8.4	35.0	
18	9.7	12.9	11.6	11.4	51	59	64	58	8.1	164.0	
19	14.9	14.9	14.0	14.6	90	91	80	87	0.5	282.0	14.73
20	14.7	16.0	10.2	13.6	78	76	53	69	3.9	306.0	3.30
21	9.4	11.6	8.7	9.9	43	64	54	54	1.7	962.0	2.29
22	7.8	8.8	11.4	9.3	47	46	79	57	3.1	954.0	5.84
23	8.7	8.8	7.4	8.3	52	42	40	45	3.3	604.0	5.08
24	7.9	9.4	11.1	9.5	39	43	63	48	2.9	502.0	
25	10.6	11.3	11.1	11.0	58	55	62	58	4.8	579.0	0.76
26	9.6	10.9	12.3	10.9	56	81	93	77	0.5	607.0	31.24
27	12.8	11.9	11.0	11.9	91	74	76	80	1.8	430.0	35.31
28	11.9	12.1	12.0	12.0	77	65	73	72	8.5	89.0	
29	9.6	11.2	11.6	10.8	63	59	65	62	8.9	232.0	
30	7.8	10.7	9.6	9.4	51	57	60	56	9.0	179.0	
31	8.7	9.7	9.6	9.3	58	54	61	58	8.9	259.0	
	12.79	14.11	13.13	13.34	65.5	65.8	68.5	66.6	6.14	317.06	5.47

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	5cu-ci	0	1.7	1e	1nw	1ne	light	
2	0	1ci	9cu-ci	3.3	1se	1n	1ne	,,	D., a m.
3	9cu-ci	10cu-ci	1cu	6.7	1se	2n	1n	,,	D., a m.
4	0	9cu -st	0	3.0	1se	2ne	1ne	,,	D., a. m.
5	0	0	0	0.0	1e	2ne	1e	,,	
6	0	0	0	0.0	1nw	1sw	1sw	light	D., a m.
7	0	7cu	0	2.3	0	1sw	1ne	slight	D., P.M.
8	0	2cu-ci	0	0.7	2sw	2e	1w	light	D., P.M.
9	10cu-ni	9cu-st	8cu-ni	9.0	3ne	4n	3n	slight	
10	10ni	10cu-ni	7cu	9.0	1w	2w	2w	light	
11	7cu	8cu	0	5.0	1se	2w	2e	light	
12	9ni	6cu-ni	0	5.0	2se	1nw	1e	,,	
13	9cu-ni	10ni	10ni	9.7	1e	3w	3s	,,	
14	6cu-ni	4cu-ni	1cu	3.7	4n	1w	1se	slight	
15	6cu	0	0	2.0	2se	2w	1se	light	D., P.M.
16	0	0	0	0.0	1e	1ne	0	light	D., P.M.
17	0	3ci	0	1.0	1se	1se	1se	,,	D., P M.
18	0	0	0	0.0	1se	1se	1e	,,	
19	10ni	10ni	10cu-ni	10.0	2s	1w	1s	slight	
20	10cu-ni	6cu	0	5.3	0	2n	2e	light	
21	10cu-ni	9cu-ni	5cu	8.0	2sw	4sw	1n	slight	
22	6cu	9cu	10ni	8.3	4s	4s	3s	,,	H., all day
23	10st	10cu-st	10cu	10.0	4se	4sw	1se	mod.	H., a.m.
24	8cu	8cu	3cu	6.3	3se	3sw	1ne	,,	
25	9cu	9cu	10cu-ni	9.3	2s	3sw	1s	slight	H., all day
26	10cu-ni	10ni	10ni	10.0	3sw	4s	1s	light	
27	10ni	8cu-ni	9cu	9.0	2s	3sw	1se	,,	Snow on mountains
28	7cu-ni	1cu	1cu	3.0	1se	1nw	1s	,,	Tr., a.m.
29	1cu	0	0	0.3	1se	3n	1e	,,	
30	0	0	0	0.0	1se	1n	1se	,,	
31	0	10ci	0	3.3	1se	3n	1e	,,	
	Mean			4.67					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	1	4	14	4	3	1	1	2	31
14:30	7	3	1	2	2	7	6	3	0	31
20:30	3	5	7	6	6	1	2	0	1	31
Total	11	9	12	22	12	11	9	4	3	93

Number of days with rain 13, fog 0, thunderstorms 0, gale 0.
71 yr. av. number of days with rain during month 13.4